



DEFENSE SUPPLY AGENCY  
HEADQUARTERS  
CAMERON STATION  
ALEXANDRIA, VIRGINIA 22314

DSAR 4145.21  
TB MED 284  
NAVSUPINST 4610.31  
AFR 167-9

DSAH-OWO

DSA REGULATION  
NO. 4145.21

10 Nov 70

PREPARATION OF MEDICAL MATERIAL REQUIRING FREEZE  
OR CHILL ENVIRONMENT FOR SHIPMENT

I. REFERENCES

- A. DSAM 4145.3/AFM 71-4/TM 38-250/NAVAIR 15-03-500/MCO P4030.19, Packaging and Handling of Dangerous Materials for Transportation by Military Aircraft.
- B. DSAM 4155.5/TB 740-10, Quality Control Depot Serviceability Standards, Appendix M.
- C. DSAR 4500.21, Transportation of Perishable Medical Items.

II. PURPOSE AND SCOPE. To establish policies and procedures for preparing frozen and chilled medical items for shipment. The objectives of this regulation are to:

- A. Protect perishable medical material from temperature damage during shipment.
- B. Assure maximum life performance and suitability for use by minimizing the rate of deterioration of these items.
- C. Provide necessary instructions and technical guidance in preparing such materials for shipment.
- D. Effect economies by assuring the use of standard shipping containers of minimum weight and cube consistent with anticipated shipping hazards.
- E. Assure the greatest practicable uniformity in shipping procedures and labeling for perishable medical material. This regulation is applicable to HQ DSA, Defense Personnel Support Center (DPSC), DSA Defense Depots handling medical supplies, the Atlanta Army Depot, and Naval Supply Center (NSC) Norfolk, and applies to perishable medical material being prepared for shipment to Continental United States (CONUS) and overseas destinations. It has been coordinated with the appropriate Military Services.

III. POLICY

- A. In consonance with the objectives stated in paragraph II, all perishable medical material will be afforded the degree of protection required to prevent deterioration or other damage due to the hazards to which the items may be subjected during shipment. Methods utilized in providing protection for the material in shipment will conform to the requirements and instructions hereinafter indicated.
- B. Proper methods of preparation for shipment prescribed herein are dependent upon alert personnel experienced in handling, shipping, and storing of the items, and upon the conditions to which the material will be exposed prior to delivery to the customer.

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This DSAR supersedes DSAR 4145.21, 24 Aug 65, and Change 1.

IV. DEFINITIONS

- A. Chill. Temperature control between 35° to 46° Fahrenheit (F).
- B. Chill Items. Items coded "G" in the Federal Supply Catalog C-6505-IL, C-6510-IL, C-6525-IL, C-6600-IL, and C-6700/9500-IL Identification Lists and are listed in DSAM 4155.5/TB 740-10, Appendix M, Enclosure 3.
- C. Freeze. Temperature control below 32° F.
- D. Freezer Items. Items coded "W" in the Federal Supply Catalog C-6505-IL Identification List and are listed in DSAM 4155.5/TB 740-10, Appendix M, Enclosure 2.

V. BACKGROUND. Medical material which requires freezing to prevent deterioration or other damage must also be maintained in a frozen state at all times until ready for use. However, medical material requiring constant chill in storage can, in some instances, remain unrefrigerated during shipment for varying periods of time without deleterious effect. Prudent anticipation of the temperature to which shipments may be subjected en route to destination is of paramount importance in preventing degradation of temperature-sensitive material.

VI. SIGNIFICANT CHANGES

- A. This revision constitutes a major refinement and affects all Parts and Enclosures of the superseded document.
- B. The Federal Specification for the reusable shipping container for freeze or chill medical shipments has been changed to PPP-C-1266. Tables pertaining to quantities of dry or wet ice to be utilized for a specific time period by container sizes have been revised.
- C. Enclosures listing medical items requiring freeze, chill or authorized for limited unrefrigeration during shipment have been deleted. The updated listings of these items are cited in DSAM 4155.5/TB 740-10, Appendix M.
- D. New labels and forms, including reporting instructions for deficient shipments are enclosed. Packing, marking, and labeling requirements have been updated. The transportation guides have been deleted by initiation of expanded updated requirements contained in DSAR 4500.21.

VII. RESPONSIBILITIES

- A. The Chief, Depot Operations Division, Executive Directorate, Supply Operations, HQ DSA (DSAH-OW) will maintain this regulation in a current status and review it annually.
- B. The Heads of Defense Depots Handling Medical Supplies, the Atlanta Army Depot, and the Naval Supply Center, Norfolk will establish necessary internal controls which will assure compliance with the procedures prescribed herein. Personnel concerned with shipping medical stocks requiring freezing or chilling during storage or shipment will be familiar with the provisions of this regulation.
- C. The Commander, Defense Personnel Support Center will designate the items subject to the requirements of this regulation and will immediately notify distribution activities and DSAH-OW whenever changes are made in such item designations in accordance with DSAM 4155.5/TB 740-10, Appendix M.

VIII. PROCEDURES

A. Freezer Items. All freezer items must remain frozen during shipment.

1. Preparation for Shipment. Freezer items will be packed in a pre-cooled shipping container, the size of which will depend on the quantity of material to be overpacked and the amount of refrigerant to be utilized. Diluent agents and/or components of freezer items will be packed separately in containers ordinarily utilized for material not requiring refrigeration. Sufficient refrigerant will be provided to ensure maintenance of the contents in a frozen state to the specified destination. The refrigerant will be solid carbon dioxide (dry ice), as per Federal Specification BB-C-104, preferably in a single block to minimize dissipation. The reusable shipping container of the type and size required will be constructed in accordance with Federal Specification FPP-C-1266, Type I. Tables I and II, compiled from test data, furnish dry ice requirements to maintain temperature below 25° F for a specific time period by container sizes. Dry ice quantities used will never be less than those listed in Table I. In warm weather or for shipments destined to hot climates, Table II will provide safer guidelines.

TABLE I

Container Size	Pounds of Dry Ice	Hours Maintained Below 25° F
1 Small	6	85
2 Medium	8	70
3 Large	12	85
4X Large	22	96

NOTE: All containers precooled to 40° F before packing.

TABLE II

Container Size	Pounds of Dry Ice	Hours Maintained Below 25° F
1 Small	9	120
2 Medium	12	120
3 Large	18	120
4X Large	24	120

NOTE : Container Temperature at 70° F when packed.

2. Packing Requirements. Fit medical units into the shipping container in the best manner to utilize the available space, and cushion with a suitable resilient material such as elastic polyurethane foam to preclude shifting or damage. The proper quantity of refrigerant required to protect the medical material en route to consignee will be placed on top of the cushioning used to protect the material within the container. Re-icing with dry ice, if required, will be accomplished without removal or handling the material. An indicator consisting of a plastic tube, approximately 4 inches long by 3/8 inch inside diameter, containing

frozen water colored with iodine or other suitable substance, will be packaged with the freezer item. The indicator may be produced readily by cutting 4 inch segments from lengths of tubing which have been filled with colored water and frozen. To prevent melting in handling, cotton thread or string tied to each frozen indicator will be utilized. In addition, a notice, prominently printed on a label affixed to the top of an interior flap of the carton of the shipping container will indicate that melting of the colored ice in the tube accompanied by staining of the interior of the box, is evidence that re-icing to maintain the required temperature was not accomplished. One inside flap of all PPP-C-1266 containers utilized for medical shipments is to be labeled 'Return Empty Container to (name of depot).' Prior to closing the container, a DPSC Form 2770, Notice for Frozen Shipments, as shown in Enclosure 4, will be placed within each shipping container. The top and all seams of PPP-C-1266 containers utilized for medical shipments will be sealed with tape conforming to Federal Specification PPP-T-76. All seams of container top will be closed by tape which will not be less than 2 inches wide. Three strips of tape will be applied so that all seams will be covered their full length. Tape applied over the flap seam will extend a minimum of 2 inches down the two side panels. Tape applied over the flap edge will extend a minimum of 2 inches around the side and top panels.

3. Marking. Address markings on shipping containers will be marked in accordance with Military Standard (MIL-STD) 129. In addition, "Arrow" and "Fragile" markings will be in accordance with applicable paragraphs of MIL-STD-129. The following forms also will be utilized on each shipping container and properly annotated.

a. DD Form 1387, Military Shipment Label. The shipping address label to be used for transportation markings in accordance with MIL-STD-129.

b. DD Form 1387-2, Special Handling Data/Certification. When shipment is via military air transportation, the document will be processed in accordance with DSAM 4145.3/AFM 71-4/TM 38-250/NAVAIR 15-03-500/MCO P4030.19, paragraphs 1-4 and 11-13 (for the dry ice). The nomenclature of the item on the DD Form 1387-2 will be "DRY-ICE," the cited subparagraph will be **U-13**, and the Handling Instructions block will contain the notation: "See DD Form 1502 above." The label will be positioned under the DD Forms **1387** and **1502**. Extra copies of the certified form will be placed on the adjacent side of the container next to the packing list envelope.

c. DD Form 1502, Frozen Medical Material Shipment, as shown in Enclosure 1, will be applied on the address side (adjacent to the DD Form 1387) and on the opposite side of the container.

B. Chilled Items

1. Shipment of Items. Depending upon the stability of the item, chilled items will be shipped to retail stock points or consumer activities within the allotted time designated in DSAM 4155.5/TB 740-10, Appendix M, Enclosure 3. The additional time allotted out-of-chill in shipments from contractors to depots is designated in the procurement document as

indicated in DSAM 4155.5/ TB 740-10, Appendix M, paragraph M112a. On shipments from vendors on limited unrefrigerated medical material, the depots will record on the DD Form 1502-2, Limited Unrefrigerated Medical Material Shipment, the date, hour, and place that the material was returned to refrigeration. This information is necessary for use in decisions on subsequent shipments to customers which may be delivered beyond the designated time limit.

2. Special Requirements and Procedures for Refrigerated Medical Items

a. Interdepot Transfers. Ship items under constant chill.  
b. Shipments to Retail Stock Points or Consumer Activities  
(1) Ship under constant chill when temperature is in excess of 95° F. Special precautions will be taken during the summer months to ensure maintenance of proper shipping conditions. If any possibility of temperatures exceeding 95° F will be encountered en route, shipments will be made under constant chill.

(2) Take special precautions to protect shipments subject to damage from freezing (items coded "F" in the Federal Supply Catalog Identification List C-6505-IL) during winter months or if destined to cold climates.

3. Preparation for Shipment

a. Items, Requiring Constant Chill. (Items marked with an asterisk in DSAM 4155.5/ TB 740-10, Appendix M, Enclosure 3. When constant refrigeration is required and refrigeration in transit is not provided, the items will be packed in the shipping container constructed in accordance with Federal Specification PPP-C-1266, Type II. Packing procedures will be as prescribed for freezer items, except that (wet) ice, suitably contained to prevent leakage will be adequate to safeguard a shipment of chilled items under normal conditions (average ambient temperature of 70° F) for a period of 96 hours. Tables III and IV provide wet ice requirements by container sizes to maintain desired temperature for chilled medical shipments. Wet ice quantities used will never be less than those listed in Table III. In warm weather or for shipments destined to hot climates, Table IV will provide safer guidelines. Dry ice will not be used as a refrigerant for chilled items. The indicator required for freezer item shipments will not be utilized. In addition, a DPSC Form 2770-1, Notice of Refrigerated Medical Material Shipment (Enclosure 5), will be placed within each shipping container. Standard shipping containers will be utilized when refrigeration in transit is provided.

b. Items Not Requiring Constant Chill During Shipment. Items may be shipped out of refrigeration for 4, 7 or 18 days provided temperature range (32° - 95° F) can be assured during the period of shipment (see DSAM 4155.5/ TB 740-10, Appendix M, Enclosure 3). When receipt of shipment by consignee is assured within the permissible out-of-refrigeration time specified therein, refrigerated items will be shipped unrefrigerated in shipping containers ordinarily used for items not requiring refrigeration. DPSC Form 2770-2, Notice for Limited Unrefrigerated Medical Material Shipment (Enclosure 6), will be placed within each shipping container.

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TABLE III

Container Size	Pounds of Wet Ice	Hours Maintained Between 35°F and 55°F
	2.5	97
2 Medium	6.0	96
3 Large	14.0	98
4X Large	18.0	96

NOTE : All containers pre-cooled to 40° F before packing.

TABLE IV

Container Size	Pounds of Wet Ice	Hours Maintained Between 35°F and 55°F
1 Small	3.5	111
2 Medium	7.5	116
3 Large	18.0	122
4X Large	21.0	120

NOTE : All containers pre-cooled to 40° F before packing.

#### 4. Marking

a. Chilled Shipments. Address markings on shipping containers will be marked in accordance with MIL-STD-129. In addition, "Arrow" and "Fragile" markings will be in accordance with applicable paragraphs of MIL-STD-129. The following forms will also be utilized on each shipping container and properly annotated:

(1) DD Form 1387. The shipping address label to be used for transportation markings in accordance with MIL-STD-129.

(2) DD Form 1387-2, will be located on the same side as the address markings when shipment is via military air transportation. The nomenclature of the item on the DD Form 1387-2 will be "WET-ICE," the cited subparagraph and blocks in the square will be marked "N/A," and the Handling Instruction block will contain the notation, "See DD Form 1502-1, above."

(3) Shipping label DD Form 1502-1, Chilled Medical Material Shipment, as shown in Enclosure 2, will be applied on the address side and opposite side of the container.

(4) The labels and extra copies of the certified form will be positioned as specified in paragraph VIII A 3 b, above.

b. Unrefrigerated Shipments. Shipping containers will be marked in accordance with MIL-STD-129. The following forms will also be utilized on each shipping container and properly annotated:

(1) DD Form 1387. The shipping address label to be used for transportation markings in accordance with MIL-STD-129.

(2) DD Form 1387-2, will be applied when shipment is via military air transportation. The nomenclature of the item on the DD Form

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1387-2 will be Medical Supplies, the cited subparagraph and blocks in the square will be marked "N/A," and the Handling Instruction block will contain the notation, "See DD Form 1502-2, above."

(3) Shipping label, DD Form 1502-2, as shown in Enclosure 3, will be applied on the address side and on the opposite side of the container.

(4) The labels and extra copies of the certified form will be positioned as specified in paragraph VIII A 3 b, above.

C. Transportation Function. The policies, responsibilities, procedures, and reporting requirements of DSAR 4500.21 will be rigorously followed for each shipment of perishable medical material.

BY ORDER OF THE DIRECTOR, DEFENSE SUPPLY AGENCY

w, L. PHILLIPS  
Colonel, USAF  
Executive

OFFICIAL



S. A. MACKENZIE

Colonel, USA

Staff Director, Administration

6 Enclosures

1. DD Form 1502, Frozen Medical Material Shipment
2. DD Form 1502-1, Chilled Medical Material Shipment
3. DD Form 1502-2, Limited Unrefrigerated Medical Material Shipment
4. DPSC Form 2770, Notice for Frozen Shipments
5. DPSC Form 2770-1, Notice for Refrigerated Medical Material Shipments
6. DPSC Form 2770-2, Notice for Limited Unrefrigerated Medical Material Shipments

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DISTRIBUTION

Army: **Active** Army, **NG**, USAR: To be distributed in accordance with DA Form 12-9 requirements for AR. Medical Service-Applicable to all Army Elements - A (qty rqr block no. 4).

Navy: **A5**(5 copies); **FH2**(1 copy); **FH3**(1 copy); **FH4**(1 copy); **FKM9**(5 copies); NAVSUP (SUP 062; 46; **0821**(10 copies); **09D**; **0721B**(12 copies); **0721/CL** (2 copies);

Stocked: Supply and Fiscal Dept. (Code **514.32**), Naval Station, Washington, D. C. 20390.

Air Force: Distribution B

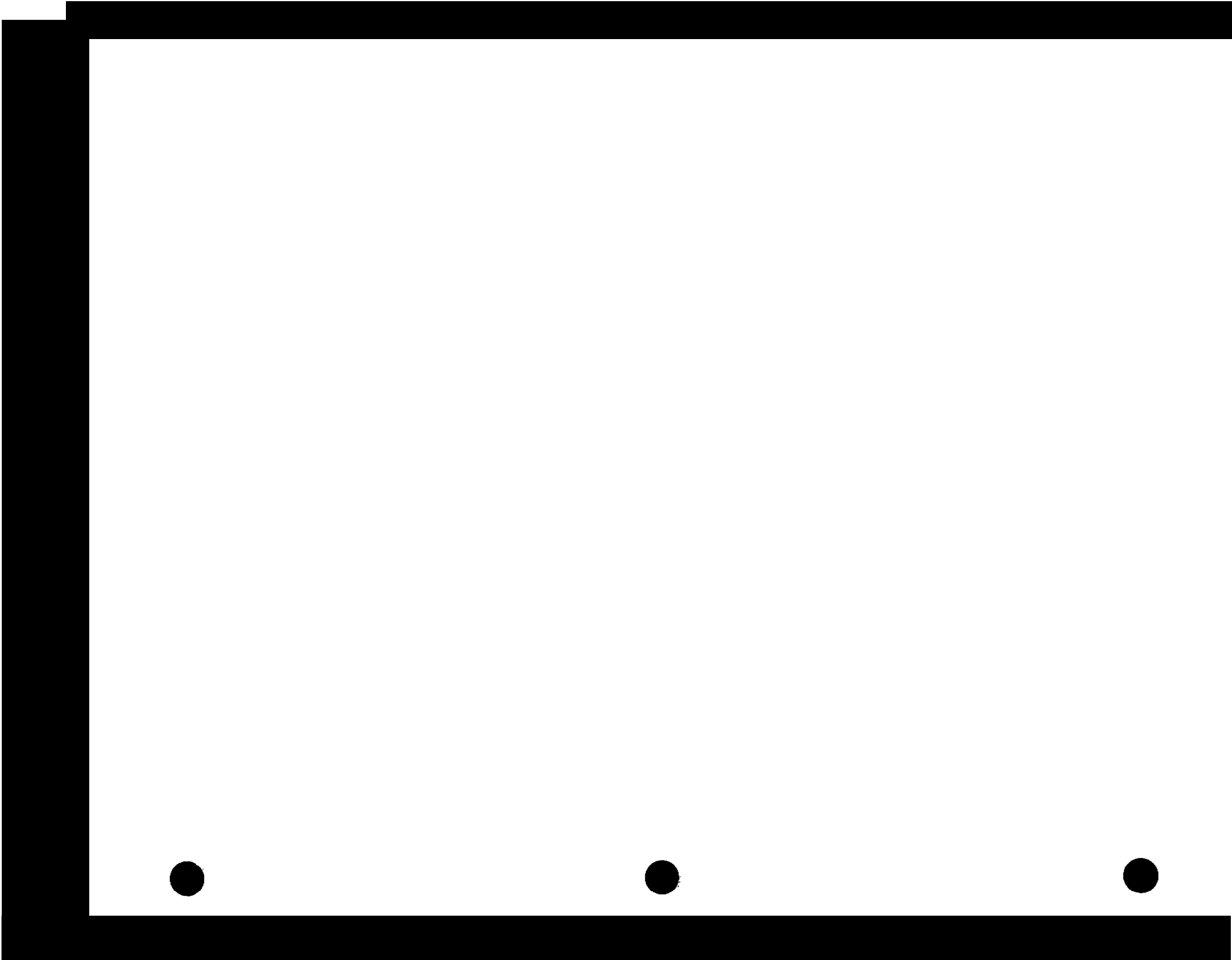


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Encl 1  
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<b>FROZEN MEDICAL MATERIAL SHIPMENT</b>				
<b>PERISHABLE - KEEP FROZEN</b>				
VACCINE → TEMPERATURE MUST BE MAINTAINED BELOW 32°F.				
REQUIRED DELIVERY DATE <small>(Calendar date)</small>				
THIS PACKAGE PACKED AT ORIGIN:				
DATE	TIME	POUNDS OF DRY ICE	BY (NAME)	
<b>IMPORTANT</b>  <small>To insure delivery of this vaccine in a satisfactory condition, it is necessary that this container be re-loaded with DRY ICE on or before time indicated below. (Greenwich Meridian time is used for overseas shipments).</small>  <small>POUND(S) DRY ICE WILL SAFEGUARD CONTENTS FOR _____ HOURS WHEN RE-ICING IS DONE. AT FIRST RE-ICING POINT, CROSS OUT PREVIOUS BLOCK (left column below) AND ENTER NEW DATE AND TIME NEXT RE-ICING IS DUE.</small>				
MUST BE DRY RE-ICED NOT LATER THAN		DRY ICE ACTUALLY ADDED		
DATE:  HOUR:	<b>FIRST DRY RE-ICING</b> →	DATE:  HOUR:	POUNDS	DRY ICED BY:
DATE:  HOUR:	<b>SECOND DRY RE- ICING</b> →	DATE:  HOUR:	POUNDS	DRY ICED BY:
<small><b>INSTRUCTIONS:</b> Break tape on outer container and insert necessary dry ice. <b>IMMEDIATELY</b> re-seal outer container and RECORD this operation on the log above. DO NOT handle this vaccine or permit container to remain open longer than is necessary for DRY re-icing.</small>  <small><b>NOTE:</b> FAILURE TO COMPLY WITH INSTRUCTIONS MAY ENDANGER LIVES. If material has thawed or if shipment arrives without dry ice, refreeze immediately. Report details by fastest means to Defense Personnel Support Center, Directorate of Medical Material, 2800 S. 20th St., Philadelphia, Pa. Document discrepancies in accordance with AR 55-38/NAVSUP PUB 459/AFM 75-34/MCOP 4610.19/DSAR 4500.15. DO NOT issue or destroy material until disposition instructions are received from D.P.S.C.</small>				

DD FORM 1502  
23 JUL 68



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Encl 2  
DSAR 4145.21  
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CHILLED MEDICAL MATERIAL SHIPMENT																			
PERISHABLE KEEP CHILLED																			
TEMPERATURE MUST BE MAINTAINED 35° TO 46°F.																			
REQUIRED DELIVERY DATE (Calendar date)																			
THIS PACKAGE PACKED AT ORIGIN:																			
DATE	TIME	POUNDS OF WATER ICE	BY (NAME)																
<p style="text-align: center;"><b>IMPORTANT</b></p> <p>To insure delivery of this material in a satisfactory condition, it is necessary that this container be re-iced with water ice on or before time indicated below. (Greenwich Meridian Time is used for overseas shipments).</p> <p>POUND(S) WATER ICE PER DAY WILL SAFEGUARD CONTENTS WHEN RE-ICING IS DONE. AT FIRST RE-ICING POINT, CROSS OUT PREVIOUS BLOCK (Left column below) AND ENTER NEW DATE AND TIME NEXT RE-ICING IS DUE.</p> <table border="1"><thead><tr><th>MUST BE WATER RE-ICED NOT LATER THAN</th><th colspan="4">WATER ICE ACTUALLY ADDED</th></tr></thead><tbody><tr><td>DATE: HOUR:</td><td>FIRST WATER RE-ICING →</td><td>DATE: HOUR:</td><td>POUNDS</td><td>WATER ICED BY:</td></tr><tr><td>DATE: HOUR:</td><td>SECOND WATER RE- ICING →</td><td>DATE: HOUR:</td><td>POUNDS</td><td>WATER ICED BY:</td></tr></tbody></table> <p><b>INSTRUCTIONS:</b> Break tape seal on outer container and insert necessary water ice in a suitable leakproof container. IMMEDIATELY re-seal outer container and RECORD this operation on the log above. DO NOT handle this material or permit container to remain open longer than is necessary for water icing.</p> <p><b>NOTE:</b> FAILURE TO COMPLY WITH INSTRUCTIONS MAY ENDANGER LIVES. If material has been frozen or if temperature has exceeded 46° F. refrigerate IMMEDIATELY. Report details by fastest means to Defense Personnel Support Center, Directorate of Medical Materiel, 2800 S. 20th Street, Philadelphia, Pa. Document discrepancies in accordance with AR 55-38/NAVSUP PUB 459/AFM 75-34/NCDF 6610.19/DSAR 4500.15. Do NOT issue or destroy material until disposition instructions are received from D.P.S.C.</p>					MUST BE WATER RE-ICED NOT LATER THAN	WATER ICE ACTUALLY ADDED				DATE: HOUR:	FIRST WATER RE-ICING →	DATE: HOUR:	POUNDS	WATER ICED BY:	DATE: HOUR:	SECOND WATER RE- ICING →	DATE: HOUR:	POUNDS	WATER ICED BY:
MUST BE WATER RE-ICED NOT LATER THAN	WATER ICE ACTUALLY ADDED																		
DATE: HOUR:	FIRST WATER RE-ICING →	DATE: HOUR:	POUNDS	WATER ICED BY:															
DATE: HOUR:	SECOND WATER RE- ICING →	DATE: HOUR:	POUNDS	WATER ICED BY:															

DD FORM 1502-1  
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Encl 3  
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LIMITED **UNREFRIGERATED MEDICAL MATERIAL SHIPMENT**

**PERISHABLE**

**REQUIRED DELIVERY DATE**

(Calendar date)

**IMPORTANT**

This package contains Medical Material which may be unrefrigerated during transit provided the cumulative time out of refrigeration does not exceed \_\_\_ hours after removal time indicated below. This material must be returned to refrigeration upon receipt. If delayed in return to refrigeration of 35° F. to 46° F. temperature.

**REMOVED FROM REFRIGERATION**

**RETURNED TO REFRIGERATION**

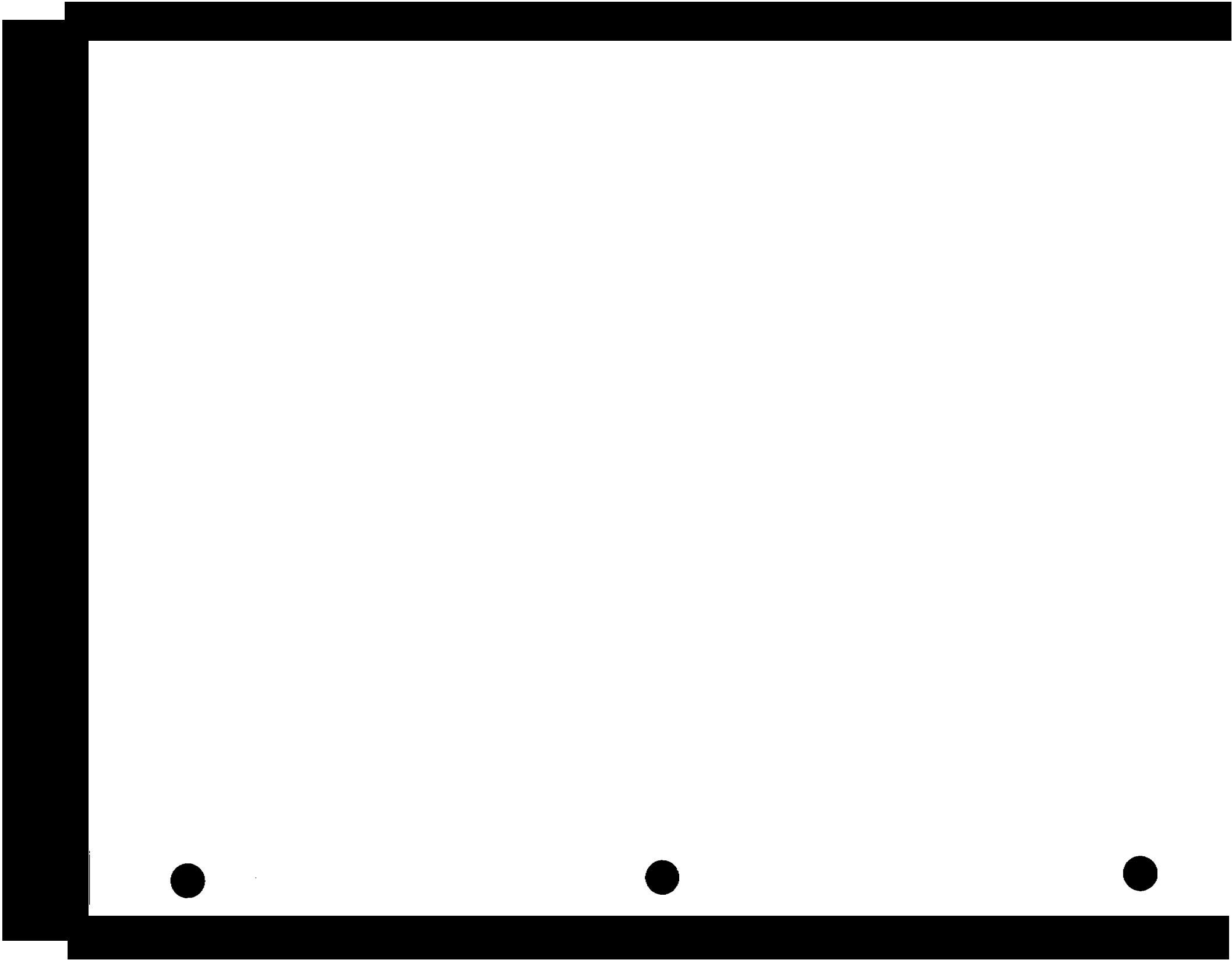
DATE	HOUR	PLACE	DATE	HOUR	PLACE

**NOTE: FAILURE TO COMPLY WITH INSTRUCTION MAY ENDANGER LIVES.**

DO NOT FREEZE or allow to be subjected to temperature above 95° F. at any time. If material has been frozen or if temperature has exceeded 95° F. refrigerate immediately. Report details by fastest means to Defense Personnel Support Center, Directorate of Medical Materiel, 2800 S. 20th St., Philadelphia, Pa. Document discrepancies in accordance with AR 55-38/NAVSUP PUB 459/AFM 75-34/MCOP 4610.19/DSAR 4500.15. DO NOT issue or destroy material until disposition instructions are received from D.P.S.C.

**DD FORM 1502-2**

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Encl 4  
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#### NOTICE FOR FROZEN SHIPMENTS

IF THIS **SHIPMENT** IS RECEIVED WITH NO DRY ICE IN THE CONTAINER, OR II? **THE COLORED ICE IN THE PLASTIC INDICATOR TUBE HAS MELTED-TAKE THE FOLLOWING ACTIONS:**

1. Place the material in freezer.
2. **Suspend** the material from issue and use and report discrepancy on DD Form 1599 or SF-361, as appropriate, to:

Defense Personnel **Support** Center  
Directorate of Medical Materiel  
**ATTN: Code ASC.**  
280'3 S. 20th Street  
Philadelphia, Pa. 19101

3. Include the following data in the report:

- |   |  |
|---|--|
| (a) Federal Stock Number                | (j) Present storage condition  |
| (b) Nomenclature                        | (k) Temperature or adverse storage condition <b>existing</b> during shipment   |
| (c) Name of manufacturer                | (l) Nature of the complaint  |
| (d) Date of manufacture                 | (m) Name of last known carrier from which material was received                |
| (e) <b>Expiration</b> date              | (n) TCN or GBL <b>numbers</b>  |
| (f) Lot or <b>control</b> numbers       | (o) Date and hour material delivered by carrier                                |
| (g) Contract and/ox requisition numbers | (p) Dste and hour material returned to freezer                                 |
| (h) Total dollar value                  | (q) Other details concerning condition of material                             |
| (i) <b>Quantity</b>                     | (r) Name, place, telephone number of person most familiar with this situation. |

4. Remove DD Form 1502 label from the package and forward with the **re-**port to DPSC.

DO NOT issue or destroy material until disposition instructions are received from DPSC.

DPSC Form 2770  
23 Jul 68





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NOTICE FOR REFRIGERATED **MEDICAL** MATERIAL **SHIPMENTS**.

IF THIS SHIPMENT IS RECEIVED WITH THE WATER ICE THAWED TAKE THE FOLLOWING ACTIONS:

1. Place the material in chill space.
2. Suspend the material from issue and use and report discrepancy on DD Form 1.599 or **SF-361**, as appropriate, to:

Defense Personnel Support Center  
Directorate of Medical Materiel  
ATTN: Code **ASC**  
2800 S. 20th Street  
Philadelphia, Pa. 19101

3. Include the following data in the report:

- |   |  |
|---|--|
| (a) Federal Stock Number                | (j) Present storage condition  |
| (b) Nomenclature                        | (k) Temperature or adverse storage condition <b>existing</b> during shipment   |
| (c) Name of manufacturer                | (l) Nature of the <b>complaint</b>   |
| (d) Data of <b>manufacture</b>          | (m) Name of last known carrier from which material was received                |
| (e) Expiration date                     | (n) <b>TCN</b> or GBL numbers  |
| (f) Lot or control numbers              | (o) Date and hour material delivered by carrier                                |
| (g) Contract and/or requisition numbers | (p) Date and hour material returned to refrigeration                           |
| (h) Total dollar value                  | (q) Other details concerning condition of material                             |
| (i) Quantity                            | (r) Name, place, telephone number of person most familiar with this situation. |
4. Remove DD Form **1502-1** from the package and forward with the report to **DPSC**.
  5. DO NOT issue or destroy material until disposition instructions are received from DPSC,

DPSC Form 2770-1  
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NOTICE FOR LIMITED UNREFRIGERATED MEDICAL MATERIEL SHIPMENTS

IF THIS SHIPMENT IS RECEIVED BEYOND THE REQUIRED DELIVERY DATE, OR IF THE MATERIAL MAY HAVE BEEN EXPOSED TO TEMPERATURE OVER 95°F OR BELOW 32°F, TAKE THE FOLLOWING ACTIONS:

1. Place the material in chill space.
2. Suspend the material from issue and use and report discrepancy on DD Form 1599 or SF-361, as appropriate, to:

Defense Personnel Support Center  
Directorate of Medical Materiel  
ATTN: Code ASC  
2800 S. 20th Street  
Philadelphia, Pa. 19101

3. Include the following data in the report:

- |   |  |
|---|--|
| (a) Federal Stock Number                | (j) Present storage condition  |
| (b) Nomenclature                        | (k) Temperature or adverse storage condition existing during shipment          |
| (c) Name of Manufacturer                | (l) Nature of the complaint  |
| (d) Date of manufacture                 | (m) Name of last known carrier from which material was received                |
| (e) Expiration date                     | (n) TCN or GBL numbers   |
| (f) Lot or control numbers              | (o) Date and hour material delivered by carrier                                |
| (g) Contract and/or requisition numbers | (p) Date and hour material returned refrigeration                              |
| (h) Total dollar value                  | (q) Other details concerning condition of material                             |
| (i) Quantity                            | (r) Name, place, telephone number of person most familiar with this situation. |

4. Remove DD Form 1502-2 label from the package and forward with the report to DPSC.

5. DO NOT issue or destroy material until disposition instructions are received from DPSC.

DPSC Form 2770-2  
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